

## IN THE CLAIMS

The following is a complete listing of the claims pending in the present application:

1. (Previously presented) An average current estimation circuit comprising:
  - (a) a diode;
  - (b) a resistor in series with a switch, with the resistor coupled to the cathode of the diode;
  - (c) an RC filter in parallel with the resistor and switch of element (b).
2. (Original) The average current estimation circuit of Claim 1 wherein the switch is synchronized with an incoming peak current signal.
3. (Original) The average current estimation circuit of Claim 1 wherein an average current signal is sensed across a capacitor in the RC filter.
4. (Original) The average current estimation circuit of Claim 1 wherein the RC filter smoothes an average current signal.
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